



## 2002 STANDARD DRAWINGS

<http://www.udot.utah.gov/esd/esdmenu3.htm>

Change Two, March 24, 2003

# Memorandum UTAH DEPARTMENT OF TRANSPORTATION

**DATE:** March 24, 2003

**TO:** Region Directors  
Project Engineers  
Project Design Engineers  
Project Managers  
Consultants and Contractors

**FROM:** Barry Axelrod, CDT  
Standards and Specifications

**SUBJECT:** Standard Drawing [U.S. Standard Unit (Inch-Pound Units)] Change 2 Dated  
March 24, 2003

A new index and updated drawings are attached. Please take the following action with respect to the attached pages.

**REMOVE**

Index  
Sheet 1C  
GW 2  
GW 5

**INSERT**

Index - revised  
Sheet 1C – revised  
GW 2 – revised  
GW 5 – revised

**Note:** In Change One, dated February 19, 2003, the Remove and Insert pages incorrectly listed Sheet 1C and Sheet 1D. It should have read Sheet 1B and Sheet 1C for both Remove and Insert.

Electronic files for all Standards Drawings are available from the Standards and Specifications Web page on the Internet. The files are in Adobe pdf format.

If you have any questions or problems with the electronic files contact me at (801) 964-4570 or by email at [baxelrod@utah.gov](mailto:baxelrod@utah.gov).

STANDARD DRAWINGS INDEX (Change Two, Dated 03/24/03)  
UTAH DEPARTMENT OF TRANSPORTATION

U	NUMBER	TITLE	CURRENT DATE
		<b>Advanced Traffic Management System (AT)</b>	
	AT 1	Legend Sheet	07/03/02
	AT 2	Ramp Meter Details	07/03/02
	AT 3	Ramp Meter Sign Panel	07/03/02
	AT 4	Typical Ramp Meter Signal Head Mounting	07/03/02
	AT 5	Loop Installation	07/03/02
	AT 6	Conduit Details	07/03/02
	AT 7	Polymer-Concrete Junction Box Details	12/19/02
	AT 8	ATMS Cabinet w/120V Disconnect	07/03/02
	AT 9	ATMS Cab With Stepdown Transformer	07/03/02
	AT 10	Domed CCTV Details	07/03/02
	AT 11	CCTV Pole Detail	07/03/02
	AT 12	CCTV Pole Foundation For Dedicated CCTV Pole	07/03/02
	AT 13	120V VMS Cab Foundation Details	07/03/02
	AT 14	Weigh In Motion Piezo Detail	07/03/02
		<b>Barriers (BA)</b>	
	BA 1A	Precast Concrete Full Barrier Standard Section	12/19/02
	BA 1B	Precast Concrete Full Barrier Standard Section	12/19/02
	BA 2	Precast Concrete Half Barrier Standard Section	07/03/02
	BA 3	Cast In Place Constant Slope Barrier	12/19/02
	BA 4	Beam Guardrail Hardware	07/03/02
	BA 4A	Guardrail Transition	07/03/02
	BA 4B	Beam Guardrail Installation	12/19/02
	BA 4C	Beam Guardrail Anchor Type I	12/19/02
	BA 5	Traffic Control Cable	07/03/02
		<b>Catch Basins and Cleanouts (CB)</b>	
	CB 1	Standard Catch Basin	07/03/02

U	NUMBER	TITLE	CURRENT DATE
	CB 2	Curb Inlet Catch Basin	07/03/02
	CB 3	Standard Transition Concrete Lined Ditch To Pipe Or Diversion Box	07/03/02
	CB 4	Solid Cover For Standard Drawing DB 1 MS-18 Loading	07/03/02
	CB 5	Standard Screw Gate And Frame	07/03/02
	CB 6A	Standard Drop Inlet Details General Notes And Installation Detail	07/03/02
	CB 6B	Standard Catch Basin And Cleanout Box Drop Inlet Type "A" Details	07/03/02
	CB 6C	Standard Catch Basin And Cleanout Box Drop Inlet Type "B" Details	07/03/02
	CB 6D	Standard Catch Basin And Cleanout Box Drop Inlet Type "C" Details	07/03/02
	CB 6E	Standard Catch Basin And Cleanout Box Drop Inlet With Attached Apron Details	07/03/02
	CB 6F	Standard Catch Basin And Cleanout Box Drop Inlet With Attached Apron Details	07/03/02
	CB 6G	Standard Catch Basin And Cleanout Box Drop Inlet Type "D" Details	07/03/02
	CB 6H	Standard Catch Basin And Cleanout Box Drop Inlet Type "D" Tables	07/03/02
	CB 7	Standard Curb And Gutter Drop Inlet	07/03/02
	CB 8A	Double Catch Basin	07/03/02
	CB 8B	Double Catch Basin	07/03/02
	CB 9A	Standard Catch Basin and Cleanout Box Situation & Layout	07/03/02
	CB 9B	Standard Catch Basin and Cleanout Box Section Details	07/03/02
	CB 9C	Standard Catch Basin and Cleanout Box Schedule Of Installation 18" to 42" RCP 12" to 48" CMP	07/03/02
	CB 9D	Standard Catch Basin and Cleanout Box Schedule Of Installation 48" to 66" RCP 60" to 78" CMP	07/03/02
	CB 10A	Standard Catch Basin and Cleanout Box Situation & Layout	07/03/02
	CB 10B	Standard Catch Basin and Cleanout Box Section Details	07/03/02
	CB 10C	Standard Catch Basin and Cleanout Box Schedule Of Installation 42" to 60" RCP 48" to 72" CMP	07/03/02
		<b>Crash Cushions (CC)</b>	
	CC 1	Crash Cushion Markings	07/03/02

U	NUMBER	TITLE	CURRENT DATE
	CC 2	Crash Cushion Drainage Details Guideline A	07/03/02
	CC 3	Crash Cushion Drainage Details Guideline B	07/03/02
	CC 4	Details For Placement Crash Cushions Type A, B, & D	07/03/02
	CC 5	Grading And Placement Detail Crash Cushion Type C	07/03/02
	CC 6	Crash Cushion Type E Sand Barrel Details	12/19/02
	CC 7	Grading & Installation Details Crash Cushion Type F, Type G	07/03/02
	CC 8	Grading & Installation Detail Crash Cushion Type H	07/03/02
		<b>Diversion Boxes (DB)</b>	
	DB 1A	Standard Diversion Box/Cover Plate/Grating For 18" DIA. or 24" DIA. Pipe	07/03/02
	DB 1B	Standard Diversion Box Hinged Lid Details For 18" DIA. or 24" DIA. Pipe	07/03/02
	DB 1C	Standard Diversion Box Bicycle - Safe Grating Details For 18" DIA. or 24" DIA. Pipe	07/03/02
	DB 1D	Standard Diversion Box Three Gate Box Sections For 18" DIA. or 24" DIA. Pipe	07/03/02
	DB 1E	Standard Diversion Box Three Gate Box Sections For 18" DIA. or 24" DIA. Pipe	07/03/02
	DB 1F	Standard Diversion Box Three Gate Box Sections For 18" DIA. or 24" DIA. Pipe	07/03/02
	DB 2A	Standard Diversion Box w/Interchangeable Walls, Bottom Slab, Walls and Apron Detail	07/03/02
	DB 2B	Standard Diversion Box w/Interchangeable Walls, Quantities Schedule	07/03/02
	DB 2C	Standard Diversion Box w/Interchangeable Walls, Hand Slide Gate Details	07/03/02
	DB 2D	Standard Diversion Box Type "G" Hand Slide Details	07/03/02
	DB 2E	Standard Diversion Box Hinged Lid (Solid Cover Plate) Type "A" Details Type I Plan	07/03/02
	DB 2F	Standard Diversion Box Hinged Lid (Solid Cover Plate) Type "A" Details Type II Plan	07/03/02
	DB 2G	Standard Diversion Box Hinged Lid Solid Cover Type "B" Details	07/03/02
	DB 2H	Standard Diversion Box Hinged Lid Solid Cover Type "B" & "C" Details	07/03/02
	DB 3A	Standard Diversion Box With Manhole Cover Situation And Layout	07/03/02

U	NUMBER	TITLE	CURRENT DATE
	DB 3B	Standard Diversion Box With Manhole Cover Up To 42" RCP and Up To 54" CMP	07/03/02
	DB 3C	Standard Diversion Box With Manhole Cover 48" - 72" RCP and 60" to 84" CMP	07/03/02
		<b>Drainage (DG)</b>	
	DG 1	Fill Height for Metal Pipe (Steel)	07/03/02
	DG 2	Fill Height for Metal Pipe (Aluminum)	07/03/02
	DG 3	Maximum Fill Height and End Sections For HDPE and PVC Pipes	12/19/02
	DG 4	Pipe Culverts Minimum Cover	12/19/02
	DG 5	Plastic Pipe, Metal Pipe or Pipe Arch Culvert Bedding	07/03/02
	DG 6	Precast Concrete Pipe Culvert	07/03/02
	DG 7	Gasketed Joints or Coupling Bands for C.M.P.	07/03/02
	DG 8	Metal Culvert End Sections	07/03/02
	DG 9	Miscellaneous Pipe Details	07/03/02
		<b>Environmental Controls (EN)</b>	
	EN 1	Temporary Erosion Control (Check Dams)	07/03/02
	EN 2	Temporary Erosion Control (Silt Fence)	07/03/02
	EN 3	Temporary Erosion Control (Slope Drain and Temporary Berm)	07/03/02
	EN 4	Temporary Erosion Control (Drop Inlet Barriers)	12/19/02
	EN 5	Temporary Erosion Control (Sediment Trap and Curb Inlet Barrier)	07/03/02
		<b>Fence and Gates (FG)</b>	
	FG 1A	Right-of-Way Fence and Gates (Wood Posts)	07/03/02
	FG 1B	Right-of-Way Fence and Gates (Wood Posts)	07/03/02
	FG 2A	Right-of-Way Fence and Gates (Metal Posts)	07/03/02
	FG 2B	Right-of-Way Fence and Gates (Metal Posts)	07/03/02
	FG 3	Swing Gates Type I for Gates Less Than 17'	07/03/02
	FG 4	Deer Gates	07/03/02
	FG 5	Swing Gates Type II for Gates Wider Than 17'	07/03/02
	FG 6	Chain Link Fence	07/03/02

U	NUMBER	TITLE	CURRENT DATE
		<b>Grates, Frames, and Trash Racks (GF)</b>	
	GF 1	Manhole Frame And Grated Cover	07/03/02
	GF 2	Manhole Frame And Solid Cover	07/03/02
	GF 3	Rectangle Grate & Frame	07/03/02
	GF 4	Directional Flow Grate & Frame	07/03/02
	GF 5	Solid Cover & Frame	07/03/02
	GF 6	Manhole Steps	07/03/02
	GF 7	Standard Screw Grate & Frame	07/03/02
	GF 8	2' x 2' Grate & Frame	07/03/02
	GF 9	28" x 24" Directional Flow and Frame	07/03/02
	GF 10	Standard Trash Racks 90E X-ing L	07/03/02
	GF 11	Standard Trash Racks	07/03/02
	GF 12	Standard Trash Racks	07/03/02
		<b>General Road Work (GW)</b>	
	GW 1	Raised Median and Plowable End Section	12/19/02
	GW 2	Concrete Curb and Gutter	02/27/03
	GW 3	Concrete Curb and Gutter Details	07/03/02
	GW 4	Concrete Driveways and Sidewalks	07/03/02
	GW 5	Pedestrian Access	02/27/03
	GW 6	Right-of-Way Marker	07/03/02
	GW 7	Newspaper and Mailbox Stop Layout	07/03/02
	GW 8	Newspaper and Mailbox Support Hardware	07/03/02
	GW 9	Delineation Hardware	07/03/02
	GW 10	Delineation Application	07/03/02
		<b>Paving (PV)</b>	
	PV 1	Joints for Highways with Concrete Traffic Lanes and Shoulders	07/03/02
	PV 2	Pavement/Approach Slab Details	12/19/02
	PV 3	Concrete Pavement Details for Urban and Interstate	07/03/02
	PV 4	Concrete Pavement Details for Urban and Interstate	07/03/02

U	NUMBER	TITLE	CURRENT DATE
	PV 5	Urban Concrete Pavement Details	07/03/02
	PV 6	Rumble Strips	07/03/02
	PV 7	Rumble Strips - Typical Application	07/03/02
		<b>Signals (SL)</b>	
	SL 1	Traffic Signals Mast Arm Pole and Luminaire Extension	07/03/02
	SL 2	Traffic Signals Mast Arm Detail 25' Thru 65'	07/03/02
	SL 3	Underground Service Pedestal Details	07/03/02
	SL 4	Traffic Signals Mast Arm Pole Foundation	07/03/02
	SL 5	Breakaway Post Mounted Traffic Signal Pole	07/03/02
	SL 6	Power Source Details	07/03/02
	SL 7	Span Wire Signal Pole Detail	07/03/02
	SL 8	Signal Head Details	07/03/02
	SL 9	Pedestrian Signal Assembly	07/03/02
	SL 10	Controller Base Details	07/03/02
	SL 11	Traffic Signals Loop Detector Detail	07/03/02
	SL 12	Junction Box Details	07/03/02
	SL 13	Traffic Counting Loop Detector Detail	12/19/02
	SL 14	Light Pole Breakaway Base	07/03/02
	SL 15	Luminaire Breakaway Base Detail	07/03/02
	SL 16	Single Transformer Substation Details	07/03/02
	SL 17	Light Pole Anchor Base	07/03/02
	SL 18	Light Pole Foundation Extension	07/03/02
		<b>Signs (SN)</b>	
	SN 1	Bridge Load Limit Signs	07/03/02
	SN 2	Flashing School Sign	12/19/02
	SN 3	Overhead School Flasher	07/03/02
	SN 4	Flashing Stop Sign	12/19/02
	SN 5	Typical Installation for Milepost Signs	12/19/02
	SN 6	Not Used	

U	NUMBER	TITLE	CURRENT DATE
	SN 7	Placement of Ground Mounted Signs	07/03/02
	SN 8	Ground Mounted Timber Sign Post (P1)	12/19/02
	SN 9	Ground Mounted Tubular Steel Sign Post (P2)	07/03/02
	SN 10	Ground Mounted Square Steel Sign Post (P3)	07/03/02
	SN 11	Slipbase Ground Mounted Tubular Steel Sign Post (P4)	07/03/02
	SN 12A	Ground Mounted Sign Installation Details	07/03/02
	SN 12B	Ground Mounted Sign Installation Details	07/03/02
	SN 12C	Ground Mounted Sign Installation Details	07/03/02
		<b>Striping (ST)</b>	
	ST 1	Object Markers "T" Intersection & Pavement Transition Guidance	12/19/02
	ST 2	Freeway Turn Around Markings	07/03/02
	ST 3	Typical Pavement Markings	07/03/02
	ST 4	Crosswalks, Parking and Intersection Approaches	07/03/02
	ST 5	Painted Median & Auxiliary Lane Details	07/03/02
	ST 6	Passing/Climbing Lanes Traffic Control	07/03/02
	ST 7	Pavement Markings & Signs at Railroad Crossing	12/19/02
	ST 8	Plowable Pavement Markers	07/03/02
		<b>Structures and Walls (SW)</b>	
	SW 1A	Welded End Guard Unit	07/03/02
	SW 1B	Precast Concrete Cattle Guard	07/03/02
	SW 2	Noise Wall Placement Area	07/03/02
	SW 3A	Precast Concrete Noise Wall 1 of 2	12/19/02
	SW 3B	Precast Concrete Noise Wall 2 of 2	12/19/02
	SW 4A	Precast Concrete Retaining/Noise Wall 1 of 2	12/19/02
	SW 4B	Precast Concrete Retaining/Noise Wall 2 of 2	07/03/02
		<b>Traffic Control (TC)</b>	
	TC 1A	Construction Zone Channelization Devices	07/03/02
	TC 1B	Construction Zone Signing	07/03/02

U	NUMBER	TITLE	CURRENT DATE
	TC 2A	Traffic Control General	07/03/02
	TC 2B	Traffic Control General	07/03/02
	TC 3	Traffic Control Project Limit Signing	07/03/02
	TC 4	Traffic Control Urban Intersections With Roadways Under 50 MPH	07/03/02
	TC 5	Traffic Control Urban Intersections With Roadways Under 50 MPH	07/03/02
	TC 6	Traffic Control Pedestrian Routing	07/03/02
	TC 7	Traffic Control Road Closed, Detour	07/03/02
	TC 8	Traffic Control Lane Closure	07/03/02
	TC 9	Traffic Control Multilane Closure	07/03/02
	TC 10	Traffic Control Expressway And Freeway Crossover/Turn-Around	07/03/02
	TC 11	Traffic Control Exit Ramp Gore	07/03/02
	TC 12	Traffic Control Entrance Ramp Gore	07/03/02
	TC 13	Traffic Control Shoulder-Haul Road	07/03/02
	TC 14	Traffic Control Flagging Operation	07/03/02
	TC 15	Traffic Control 2 Lane/ 2 Way Seal Coat With Cover Material	07/03/02
	TC 16	Traffic Control Pavement Marking	07/03/02

## **Listing of Revised Standard Drawings**

### **Change Two**

Revised February 27, 2003

GW 2	Concrete Curb and Gutter	02/27/2003
GW 5	Pedestrian Access	02/27/2003

# UTAH DEPARTMENT OF TRANSPORTATION

## STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

DWG. NO.	DESCRIPTION	DATE
	<b>Grates, Frames and Trash Racks (GF)</b>	
GF 1	MANHOLE FRAME AND GRATED COVER	07-03-02
GF 2	MANHOLE FRAME AND SOLID COVER	07-03-02
GF 3	RECTANGULAR GRATE & FRAME	07-03-02
GF 4	DIRECTIONAL FLOW GRATE & FRAME	07-03-02
GF 5	SOLID COVER & FRAME	07-03-02
GF 6	MANHOLE STEPS	07-03-02
GF 7	STANDARD SCREW GATE & FRAME	07-03-02
GF 8	2' x 2' GATE AND FRAME	07-03-02
GF 9	28" x 24" DIRECTIONAL FLOW GRATE AND FRAME	07-03-02
GF 10	STANDARD TRASH RACKS 90° ANGLE X-ING L	07-03-02
GF 11	STANDARD TRASH RACKS	07-03-02
GF 12	STANDARD TRASH RACKS	07-03-02
	<b>General Road Work (GW)</b>	
GW 1	RAISED MEDIAN AND PLOWABLE END SECTION	12-19-02
GW 2	CONCRETE CURB AND GUTTER	02-27-03
GW 3	CONCRETE CURB AND GUTTER DETAILS	07-03-02
GW 4	CONCRETE DRIVEWAYS AND SIDEWALKS	07-03-02
GW 5	PEDESTRIAN ACCESS	02-27-03
GW 6	RIGHT OF WAY MARKER	07-03-02
GW 7	NEWSPAPER AND MAILBOX STOP LAYOUT	07-03-02
GW 8	NEWSPAPER AND MAILBOX SUPPORT HARDWARE	07-03-02
GW 9	DELINEATION HARDWARE	07-03-02
GW 10	DELINEATION APPLICATION	07-03-02
	<b>Paving (PV)</b>	
PV 1	JOINTS FOR HIGHWAYS WITH CONCRETE TRAFFIC LANES AND SHOULDERS	07-03-02
PV 2	PAVEMENT/APPROACH SLAB DETAILS	12-19-02
PV 3	CONCRETE PAVEMENT DETAILS FOR URBAN AND INTERSTATE	07-03-02
PV 4	CONCRETE PAVEMENT DETAILS FOR URBAN AND INTERSTATE	07-03-02
PV 5	URBAN CONCRETE PAVEMENT DETAILS	07-03-02
PV 6	RUMBLE STRIPS	07-03-02
PV 7	RUMBLE STRIPS -TYPICAL APPLICATION	07-03-02
	<b>Signals (SL)</b>	
SL 1	TRAFFIC SIGNALS MAST ARM POLE AND LUMINAIRE EXTENSION	07-03-02
SL 2	TRAFFIC SIGNALS MAST ARM DETAIL 25' THRU 65'	07-03-02
SL 3	UNDERGROUND SERVICE PEDESTAL DETAIL	07-03-02
SL 4	TRAFFIC SIGNALS MAST ARM POLE FOUNDATION	07-03-02
SL 5	BREAKAWAY POST MOUNTED TRAFFIC SIGNAL POLE	07-03-02
SL 6	POWER SOURCE DETAILS	07-03-02
SL 7	SPAN WIRE SIGNAL POLE DETAIL	07-03-02
SL 8	SIGNAL HEAD DETAILS	07-03-02

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<div style="text-align: center;"> <h1>STANDARD DRAWING INDEX SHEET</h1> <p>STANDARD DRAWING TITLE</p> </div>	<h2>UTAH DEPARTMENT OF TRANSPORTATION</h2> <p>STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION</p> <p>SALT LAKE CITY, UTAH</p>				<div> <div>REVIEWED AND CHECKED</div> <div>CHECKED AND APPROVAL</div> <div>STANDARD ENGINEER</div> </div>				<div> <div>MAR. 24, 2003</div> <div>DATE</div> <div>MAR. 24, 2003</div> <div>DATE</div> </div>			
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# UTAH DEPARTMENT OF TRANSPORTATION

## STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

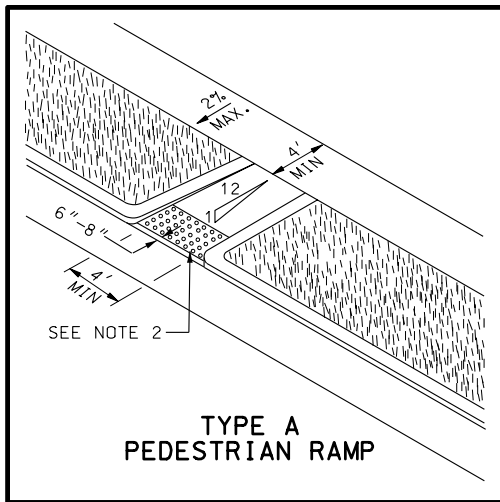
DWG. NO.	DESCRIPTION	DATE
	<b>Grates, Frames and Trash Racks (GF)</b>	
GF 1	MANHOLE FRAME AND GRATED COVER	07-03-02
GF 2	MANHOLE FRAME AND SOLID COVER	07-03-02
GF 3	RECTANGULAR GRATE & FRAME	07-03-02
GF 4	DIRECTIONAL FLOW GRATE & FRAME	07-03-02
GF 5	SOLID COVER & FRAME	07-03-02
GF 6	MANHOLE STEPS	07-03-02
GF 7	STANDARD SCREW GATE & FRAME	07-03-02
GF 8	2' x 2' GATE AND FRAME	07-03-02
GF 9	28" x 24" DIRECTIONAL FLOW GRATE AND FRAME	07-03-02
GF 10	STANDARD TRASH RACKS 90° ANGLE X-ING L	07-03-02
GF 11	STANDARD TRASH RACKS	07-03-02
GF 12	STANDARD TRASH RACKS	07-03-02
	<b>General Road Work (GW)</b>	
GW 1	RAISED MEDIAN AND PLOWABLE END SECTION	12-19-02
GW 2	CONCRETE CURB AND GUTTER	02-27-03
GW 3	CONCRETE CURB AND GUTTER DETAILS	07-03-02
GW 4	CONCRETE DRIVEWAYS AND SIDEWALKS	07-03-02
GW 5	PEDESTRIAN ACCESS	02-27-03
GW 6	RIGHT OF WAY MARKER	07-03-02
GW 7	NEWSPAPER AND MAILBOX STOP LAYOUT	07-03-02
GW 8	NEWSPAPER AND MAILBOX SUPPORT HARDWARE	07-03-02
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PV 1	JOINTS FOR HIGHWAYS WITH CONCRETE TRAFFIC LANES AND SHOULDERS	07-03-02
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PV 7	RUMBLE STRIPS -TYPICAL APPLICATION	07-03-02
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SL 2	TRAFFIC SIGNALS MAST ARM DETAIL 25' THRU 65'	07-03-02
SL 3	UNDERGROUND SERVICE PEDESTAL DETAIL	07-03-02
SL 4	TRAFFIC SIGNALS MAST ARM POLE FOUNDATION	07-03-02
SL 5	BREAKAWAY POST MOUNTED TRAFFIC SIGNAL POLE	07-03-02
SL 6	POWER SOURCE DETAILS	07-03-02
SL 7	SPAN WIRE SIGNAL POLE DETAIL	07-03-02
SL 8	SIGNAL HEAD DETAILS	07-03-02

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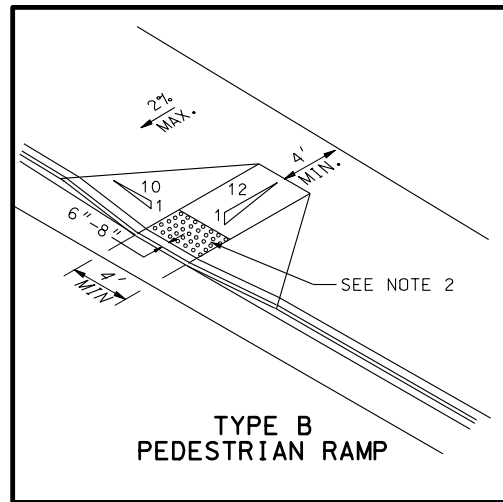
STANDARD DRAWING INDEX SHEET	STD DWG  1-C	UTAH DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION SALT LAKE CITY, UTAH					
		REVIEWED AND CHECKED _____					
		CHECKED AND APPROVAL _____ MAR. 24, 2003 DATE _____					
		STANDARD ENGINEER _____ MAR. 24, 2003 DATE _____					
		STANDARD DRAWING TITLE _____					
REVISONS							
	1	02/19/03	B.A.	CHANGE 1			
	2	03/24/03	B.A.	CHANGE 2			
	N/D.	DATE	APPR		REMARKS		



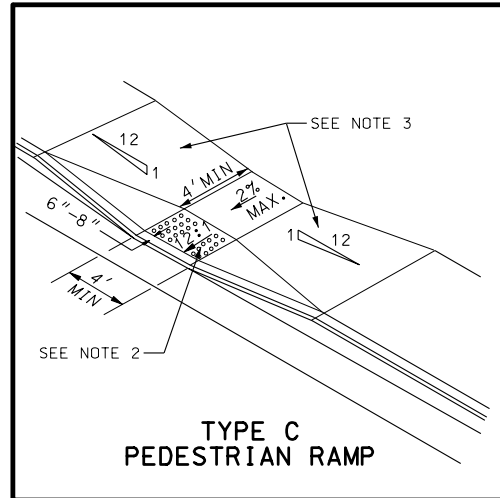
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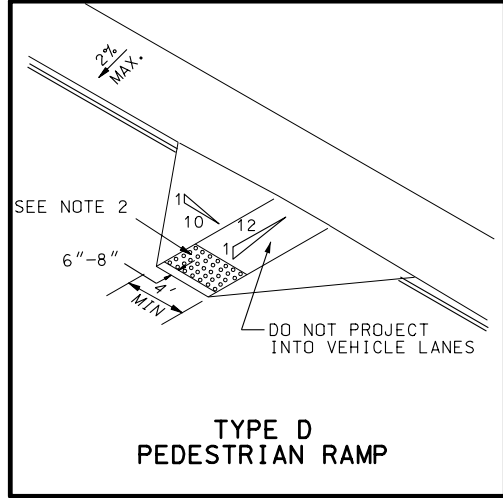
TYPE A  
PEDESTRIAN RAMP



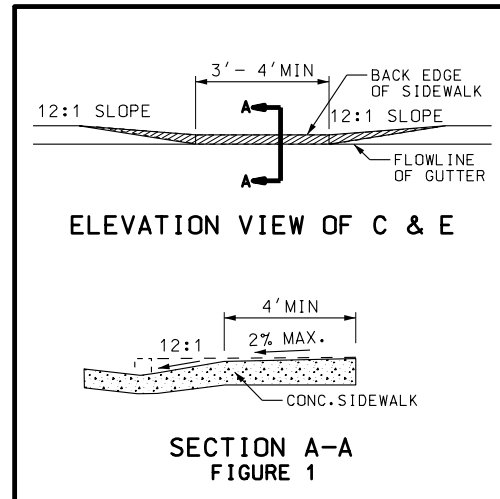
TYPE B  
PEDESTRIAN RAMP



TYPE C  
PEDESTRIAN RAMP



TYPE D  
PEDESTRIAN RAMP



ELEVATION VIEW OF C & E

SECTION A-A  
FIGURE 1

RESERVED ACCESSIBLE  
PARKING SIGNING

SEE NOTE 6



R7-8



R7-8

R7-8A

SIGNING FOR  
"VAN ACCESSIBLE"  
PARKING SPACES

SEE NOTE 5

TYPE A - PEDESTRIAN RAMP  
THE ENTIRE RAMP SLOPE IS ACHIEVED OUTSIDE THE SIDEWALK SECTION. A STEEP FACED CURB IS USED ALONG THE RAMP. THIS TYPE OF RAMP IS ALWAYS PREFERRED BECAUSE IT PROVIDES A CONSISTENT SIDEWALK SECTION FREE OF RAMP CROSS-SLOPES.

TYPE B - PEDESTRIAN RAMP  
THE STEEPEST ALLOWABLE SLOPE OCCURS ALONG THE SIDEWALK AT 10:1. PROVIDE AT LEAST 4' OF SIDEWALK WIDTH BEYOND THE RAMP.

TYPE C - PEDESTRIAN RAMP  
USE THIS TYPE OF RAMP WHEN THERE IS INSUFFICIENT WIDTH TO ACCOMMODATE TYPE B PEDESTRIAN RAMP. THE STEEPEST ALLOWABLE SLOPE OCCURS ALONG THE SIDEWALK AT 12:1. PROVIDE AT LEAST 4' X 4' SIDEWALK AT THE BASE OF THE RAMP.

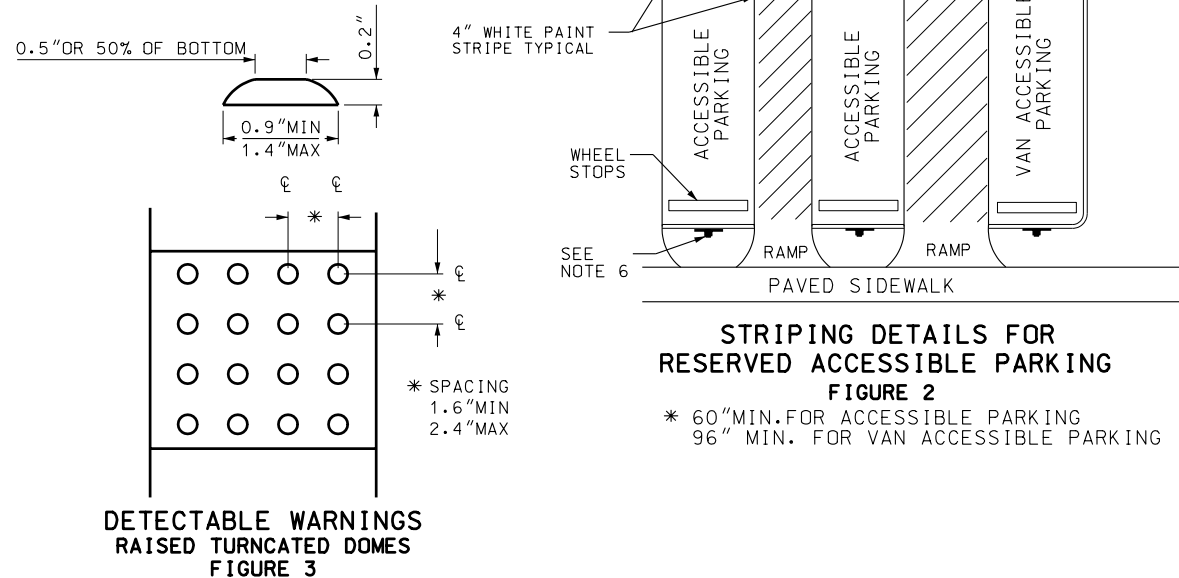
TYPE D - PEDESTRIAN RAMP  
DO NOT PROJECT THE BUILT-UP RAMP SECTION INTO TRAFFIC LANE.

TYPE E - PEDESTRIAN RAMP  
USE THIS TYPE OF RAMP AT INTERSECTIONS WHEN CROSSWALK FACILITIES ARE PROVIDED.

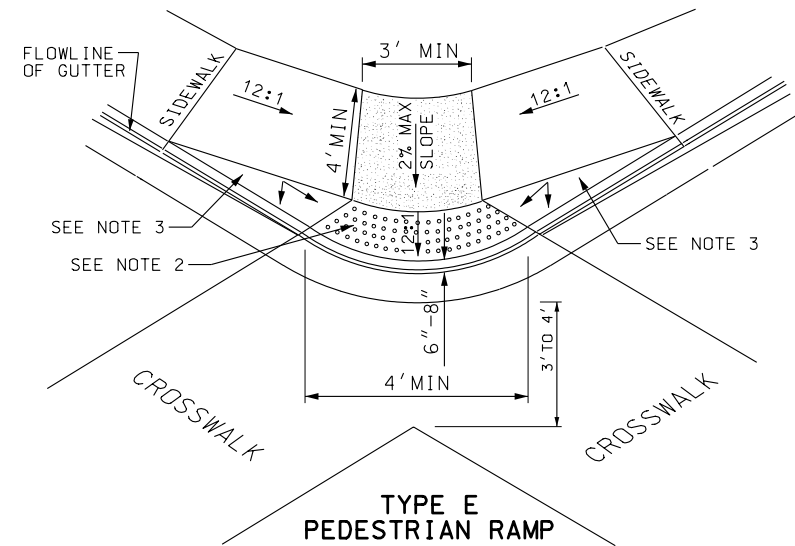
TYPE F - PEDESTRIAN MEDIAN BREAK  
USE THIS TYPE OF MEDIAN ACCESS WHEN CROSSWALK FACILITIES ARE PROVIDED.

FIGURE 1  
ILLUSTRATES THE CROSS SECTION AND PROFILE VIEW OF TYPE C AND TYPE E PEDESTRIAN RAMP. CONSTRUCT THE RAMP BASE SURFACE EVEN WITH THE PAVEMENT SURFACE AT THE FACE OF THE CURB.

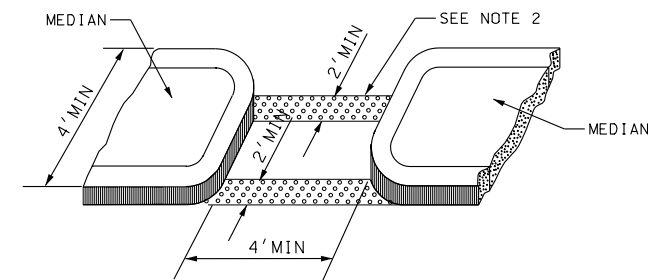
- NOTES:
1. PEDESTRIAN RAMPS TYPE A, B, C AND D ARE ACCEPTABLE FOR USE AT MID-BLOCK CROSSWALKS.
  2. LOCATE DETECTABLE WARNINGS SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES FROM THE CURB LINE OR OTHER POTENTIAL HAZARD. PROVIDE 2-FOOT MINIMUM DEPTH.  
  
SEE FIGURE 3 FOR TRUNCATED DOME SIZE AND SPACING DIMENSION DETAILS.
  3. WARP SIDEWALK TO MATCH.
  4. TYPE E DETECTABLE WARNING SIDE LIMITS: PROVIDE SCORED LINE TO ALIGN DIRECTLY WITH THE OUTER CROSSWALK MARKINGS.
  5. PROVIDE ONE DESIGNATED "VAN ACCESSIBLE" PARKING SPACE IN EVERY EIGHT ACCESSIBLE PARKING SPACES, BUT NOT LESS THAN ONE.
  6. REFER TO THE MUTCD (LATEST EDITION) FOR RESERVED PARKING SIGNING FOR DISABLED PERSONS (R7-8).



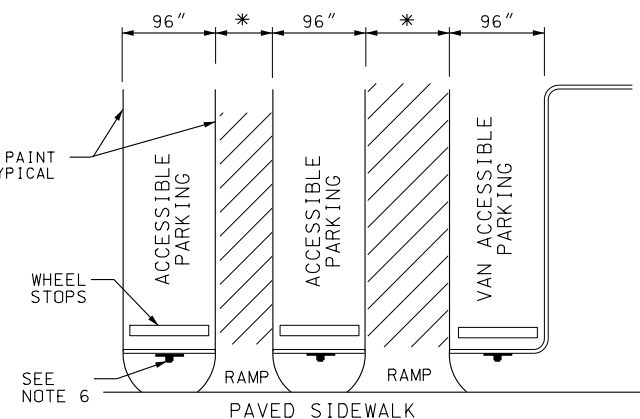
DETECTABLE WARNINGS  
RAISED TRUNCATED DOMES  
FIGURE 3



TYPE E  
PEDESTRIAN RAMP



TYPE F  
PEDESTRIAN MEDIAN BREAK



STRIPING DETAILS FOR  
RESERVED ACCESSIBLE PARKING  
FIGURE 2

\* 60" MIN. FOR ACCESSIBLE PARKING  
96" MIN. FOR VAN ACCESSIBLE PARKING

UTAH DEPARTMENT OF TRANSPORTATION  
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION  
SALT LAKE CITY, UTAH

PEDESTRIAN ACCESS

STD DWG  
GW 5

REVISIONS

NO.	DATE	APPR.	REMARKS
1	12/05/02	L.M.	ADDED FIGURE 3
2	02/21/03	L.M.	REVISED TYPE E, FIGURE 2, FIGURE 3, SIGN FOR VAN ACCESSIBLE PARKING AND ADDED NOTE 4.

RECOMMENDED FOR APPROVAL	DATE
CHAIRMAN STANDARDS COMMITTEE	FEB. 27, 2003
DEPUTY DIRECTOR	FEB. 27, 2003

STANDARD DRAWING TITLE